

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM013885

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. NMNM108292	
2. Name of Operator BP AMERICA PRODUCTION CO		8. Lease Name and Well No. CRAWFORD COM B 1	
3. Address P. O. BOX 3092 HOUSTON, TX 77253		3a. Phone No. (include area code) Ph: 281.366.4081	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 24 T29N R12W Mer NMP At surface NWSW 1450FSL 0810FWL 36.70857 N Lat, 108.05644 W Lon  At top prod interval reported below  At total depth		9. API Well No. 30-045-07983-00-C2	
14. Date Spudded 10/01/1961		15. Date T.D. Reached 10/14/1961	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/05/2003		17. Elevations (DF, KB, R1, GL)* 5629 GL	
18. Total Depth: MD 6356 TVD		19. Plug Back T.D.: MD 6314 TVD	
20. Depth Bridge Plug Set: MD 6100 TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR;CBL&CCL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J-55	23.0		290		250			
7.875	4.500 J-55	11.0		6356		675			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	2766							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CHACRA	2660	2776	2660 TO 2664	3.130	14	1 JSPF
B)			2760 TO 2776	3.130	16	4 JSPF
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
2660 TO 2664	70 Q FOAM & 46,700# 16/30 BRADY SAND
2760 TO 2776	5 BBLs 4% KCL WTR, FOLLOWED W/12 BBLs 15% HCL

Note:

*This was sent on State form also.*

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/06/2003	03/04/2003	24	→	0.0	15.0	15.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/4	SI	0.0	→	0	15	15		GSI	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD

JUN 11 2003

FARMINGTON FIELD OFFICE  
BY *[Signature]*

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #22170 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMOC

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

NO MEASURABLE GAS

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
DAKOTA				DAKOTA PICTURED CLIFFS LEWIS SHALE MESAVERDE MANCOS GALLUP GREENHORN	1673 1832 3195 4392 5284 6020

## 32. Additional remarks (include plugging procedure):

On 6/5/02 BP America Production Company requested permission from the NMOCD to enter the Otero Chacra & commingle production downhole with the existing Basin Dakota. Permission was granted by the NMOCD on 6/10/03. DHC 807AZ.

Well never produced in the Chacra after perforations were added. Well produces too much water to be economical.

Please see the attached completion report.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #22170 Verified by the BLM Well Information System.

For BP AMERICA PRODUCTION CO, sent to the Farmington

Committed to AFMSS for processing by Matthew Halbert on 06/11/2003 (03MXH0905SE)

Name (please print) CHERRY HLAVATitle AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission)

Date 05/21/2003

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

Additional data for transaction #22170 that would not fit on the form

32. Additional remarks, continued

**CRAWFORD GAS COM B 1**

**SUBSEQUENT REPORT**

**05/21/2003**

2/19/03 SET CIBP @6100'. PRESSURE TEST CIBP, CSG, BOP's TO 540# HELD OK.

2/20/03 RU & RAN GR & CBL OVER CHACRA. NO CMT BOND IN THIS AREA. CALLED J. PAPAGEORGE & BILL REDMOND, SHOOT 4 SQUEEZE HOLES @2880' KBM, DRLG MUD ON WL SQ. GUNS, TRY PMP WTR IN TO SQZ HOLES, PRESS UP TO 700# w/RIG PMP, NO RATE, SLOW BLEED OFF, SHOOT 4 SQZ HOLES @2510' R/A WL, M/U 4 ½ SQZ RETAINER ON TBG. TIH & SET CMT SQZ RETAINER @2850'. SDFN.

2/21/03 ATTEMPT TO CIRC THRU TBG STUNG INTO CMT RETAINER SA 2850' THRU SQZ HOLES @2880' & 2510', CIRC ESTABLISHED & THEN LOST CIRC AFTER PMP WTR SHORT TIME, STING OUT OF RETAINER, SPOT CMT @ END OF TBG, SQZ BTM PERFS BELOW RETAINER w/10 BBLS SLURRY, SQZ PRESS+1000#, STING OUT OF RETAINER & TOH & L/D STINGER, TIH TBG OPEN ENDED, SPOT 10 bbls CMT SLURRY BALANCED PLUG @2520', TOH TBG, CLOSE RAMS, PRESSURE UP & SQZ 9 bbls SLURRY INTO TOP SQZ HOLES & GOT PRESSURE UP TO 950 PSI, SI WELL w/950 PSI, R/D CMTRS. SDF WEEKEND.

2/24/03 TIH & TAG CMT @2139' PU PWR SWIVEL, CIRC w/WTR, DRILL CMT STRINGERS TO 2485', DRL GOOD CMT FROM 2485' TO 2582', CIRC HOLE CLEAN, PRESSURE TST SQZ HOLES @2510 TO 525 PSI, HOLD GOOD. CONT CLEAN & L/D P. SWIVEL, PULL 8 JTS TBG & SDFN.

2/25/03 TIH & TAG CMT @2670', PU PWR SWIVEL CIRC w/WTR, CONT DRILL CMT 2670' TO CMT SQZ RETAINER SA 2850'. DRILL SQZ RETAINER & CONT DRILL SOLID CMT TO 2883' & FELL FREE, CIRC HOLE CLEAN & CLOSE PIPE RAMS & PRESSURE TEST BTM SQZ PERF HOLES @2880' TO 550# w/RIG PMP & HELD OK. L/D P. SWIVEL & POH w/5 STAND TBG, SDFN. 2/26/03 RU WIRELINE & PERF CHACRA w/3 1/8" CSG GUNS @2660' TO 2664' 14 TOTAL HOLES, 0.40" HOLES & PERF 2760' - 2776' w/TOTAL OF 16 .40" HOLES w/DP 22 GRAM CHARGE, R/d WL, SPOT FLOAT w/ 2 7/8", 6.4#, N-80 BUTTRESS THREAD FRAC TBG STRING, TO 1300', SDFN.

2/27/03 FINISHED RIH RBP & PKR & PU 2 7/8" FRAC STRING TBG, CIRC CLEAN w/4% KCL WTR, SET RBP @2827', PULL-PKR UP HOLE & SET PKR @ 2696' BREAK DN PERFS @ 2760' TO 2776, w/5 bbls KCL WTR & 500 GAL 15% HCL, DISPLACE ACID w/16 bbls KCL, FLUID COMMUNICATING w/TOP PERFS @ 2660' TO 2664', PULL PKR UP HOLE & RE-SET PKR AT 2602', BREAK DN PERFS @ 2660' TO 2664' w/5 bbls 4% KCL WTR & 500 GAL 15% HCL, DISPLACE ACID w/14.3 bbls 4% KCL, PERFS BROKE DN @ 1300 PSI, ISIP=806#, PRESS @ 0# IN 10 MIN, REL PKR, RIH TBG, & RELEASE RBP, TOH, M/U NEW 4 ½" PKR & TIH w/ 2 7/8", 6.4#, N-80, BUTTRESS THREAD, RU STINGER HUDRALIC VALVE, SET PKR @ 2606', KBM, NU STINGER HYD. VALVE TO TOP OF BOP's, SDFN.

2/28/03 SET PKR 2606'. RU & FOAM FRAC CHACRA w/70 q CLEAR FRAC FOAM & 42,863# 16/30 BRADY SND. W/N2 & TTL OF 277 bbls 4% KCL WTR, STAGE SND FROM 1 PPG THRU 5 PPG, FLUSHED TO TOP PERF w/15.5 bbls 4% KCL WTR. AVG PRESS WAS 2796 PSI, MAX TREATING PRESS = 3570#, AVG RATE=19.3 BPM, MAX INJECTION RATE = 28.1 BPM, ISIP=1430#, SI RD FRAC EQUIP. TEST WELL CHACRA.

3/3/03 TIH & SET CIBP @ 2590'. TOH LAD DN 2 7/8" BUTTRESS, RU & TIH w/MILL & TBG TO 2850'. TAG NOTHING, TOH TO 2400'. FLW WELL.

3/5/03 TIH & LAND TBG @2766'. RU & PULL PLUGS. RD.

**WELL HAS A CIBP @ 6100' & HAS NOT PRODUCED FROM THE DAKOTA OR THE CHACRA.**

Additional data for transaction #22170 that would not fit on the form

32. Additional remarks, continued